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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/608,204	06/27/2003	Roberto J. Bayardo JR.	END920030039	7637

23550 7590 10/10/2006

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EXAMINER

FRANCIS, MARK P

ART UNIT PAPER NUMBER

2193

DATE MAILED: 10/10/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/608,204

Applicant(s)

BAYARDO ET AL.

Examiner

Mark P. Francis

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to the application filed on June 27, 2003.
2. Claims 1-39 have been examined.

Oath/Declaration

3. The Office acknowledges receipt of a properly signed oath/declaration filed June 27, 2003.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 5. A person shall be entitled to a patent unless –
 - (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
6. Claims 1-2, 9-13, and 16-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Verbeke. (U.S. Pub 2004/0098447)

Independent claims

With respect to claims 1,10, and 15, Verbeke discloses a system for sharing source code over a network, comprising: a code pattern classifier for analyzing source code generated on a sharing node in the network to identify a set of code

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patterns,(Col 15:0180-0181, "...that share a common set of interests...and access any computer content(code, data, applications,...") and for assigning at least one predetermined category to the source code based on the identified set of code patterns, wherein code pattern information that is based on the analysis and assignment is stored in a directory;(Col 17:0188-1089, "...indexing, directory...") and a source code indexer for selectively indexing the source code. (Col 17:0188, "...indexing, searching...")

With respect to claims 20,23, and 24, Verbeke discloses a system for selectively indexing source code for sharing over a network,(e.g. See Figs. 2A-2D and related text) comprising: a programming language recognizer for recognizing at least one programming language of the source code; (Col 18:0200-0202, "...programming languages...")

a selective code content indexer for indexing relevant portions of the source code based on the at least one programming language; (Col 14:0198-0199, "...This content may include data...")

a dependency graph indexer for recognizing and indexing a graph of source code dependencies corresponding to the source code; (Col 27:0292-0295, "...their dependencies...")

a code type hierarchy recognizer for recognizing a code type hierarchy associated with the source code;(e.g. See Figs. 5 and 21 and related text) and an associated code type indexer for indexing a set of code types from the code

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type hierarchy that is associated with the source code. (Col 17:0188-1089, "...indexing, directory...")

With respect to claim 25, Verbeke discloses a method for accessing source code shared over a network, (e.g. See Figs. 2A-2D and related text) comprising: analyzing working code on a receiving node in the network to identify a context of the working code (Col 17:0188-1089, "...indexing, directory...") and assigning at least one predetermined category to the working code based on the identified context; (Col 52:0642-0645, "...query handler...")

querying a directory using the at least one predetermined category assigned to the working code to identify at least one predetermined category assigned to source code that is relevant to the working code; (Col 17:0188-1089, "...indexing, directory...")

and retrieving the source code from a sharing node in the network to the retrieving node based on the at least one category assigned to the source code. (Col 15:0180-0181, "...that share a common set of interests...and access any computer content(code, data, applications,...")

With respect to claims 32 and 36, Verbeke discloses a system for accessing source code shared over a network, (e.g. See Figs. 2A-2D and related text) comprising:

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a context classifier for analyzing working code on the receiving node to identify a context of the working code, and for assigning at least one predetermined category to the working code based on the identified context; (Col 17:0188-1089, "...indexing, directory...")

a query generator for querying a directory using the at least one predetermined category assigned to the working code to identify at least one predetermined category assigned to source code that is relevant to the working code; (Col 52:0642-0645, "...query handler...")

and a code pattern requestor for retrieving the source code from a sharing node in the network to the receiving node based on the at least one predetermined category assigned to the source code.(Col 15:0180-0181, "...that share a common set of interests...and access any computer content(code, data, applications,...")

Dependent claims

With respect to claims 2,11,16, and 29, the rejection of claims 1,10,15 and 28 are incorporated respectively and further, Verbeke discloses further comprising notifying a set of other nodes in the network of the availability of the source code. (Col 16:0181-0183, "...peer management functions including access control,...")

With respect to claims 3,12, and 17, the rejection of claims 1,10 and 15 are incorporated respectively and further, Verbeke discloses that the code pattern information comprises the set of code patterns, the at least one category and an

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identity of the sharing node. (Col 15:0180-0181, "...that share a common set of interests...and access any computer content(code, data, applications,...")

With respect to claim 4, the rejection of claim 1 is incorporated and further, Verbeke discloses that the selectively indexing step comprises indexing relevant portions of the analyzed source code. (Col 17:0188-1089, "...indexing, directory...")

With respect to claims 5,13,18 and 30, the rejection of claims 4,10,15 and 28 are incorporated respectively and further, Verbeke discloses that the program code for selectively indexing the source code comprises: program code for recognizing at least one programming language of the source code; (Col 18:0200-0202, "...programming languages...")

program code for indexing relevant portions of the source code based on the at least one programming language; (Col 17:0188-1089, "...indexing, directory...")
program code for recognizing and indexing a graph of source code dependencies corresponding to the source code; (Col 27:0292-0295, "...their dependencies...")
program code for recognizing a code type hierarchy associated with the source code; (Col 27:0292-0295, "...their dependencies...")
and program code for indexing a set of code types from the code type hierarchy that is associated with the source code. (Col 27:0292-0295, "...their dependencies...")

With respect to claims 6,21,35 and 39, the rejection of claims 5,20,34 and 38 are incorporated respectively and further, Verbeke discloses that the source code indexer comprises: a programming language recognizer for recognizing at least one programming language of the source code; (Col 18:0200-0202,

“...programming languages...”)

a selective code content indexer for indexing relevant portions of the source code based on the at least one programming language; (Col 17:0188-1089,

“...indexing, directory...”)

a dependency graph indexer for recognizing and indexing a graph of source code dependencies corresponding to the source code; (Col 27:0292-0295, “...their dependencies...”)

a code type hierarchy recognizer for recognizing a code type hierarchy associated with the source code; (Col 17:0188-1089, “...indexing, directory...”)

and an associated code type indexer for indexing a set of code types from the code type hierarchy that is associated with the source code. (Col 17:0188-1089, “...indexing, directory...”)

With respect to claim 7, the rejection of claim 1 is incorporated and further, Verbeke discloses further comprising accessing the source code from a receiving node in the network. (Col 15:0180-0181, “...that share a common set of interests...and access any computer content(code, data, applications,...”)

With respect to claims 8,14, and 19, the rejection of claims 7,10 and 15 are incorporated respectively and further, Verbeke discloses that the accessing step comprises: analyzing working code on the receiving node to identify a context of the working code, and assigning at least one predetermined category to the working code based on the identified context; (Col 17:0188-1089, "...indexing, directory...")

querying the directory to determine a location of the source code; (Col 52:0642-0645, "...query handler...")

and retrieving the source code from the sharing node using the determined location. (Col 17:0189, "...file sharing,...")

With respect to claims 9,22, and 31, the rejection of claims 1,20 and 25 are incorporated respectively and further, Verbeke discloses that the network is a peer-to-peer network. (Col 17:0194-0195, "... a P2P system...")

With respect to claim 26, the rejection of claim 25 is incorporated and further, Verbeke discloses that the retrieving step comprises retrieving the source code from the sharing node to the retrieving node upon selection of the at least one category assigned to the source code. (Col 17:0189, "...directory, storage systems...")

With respect to claim 28, the rejection of claim 25 is incorporated and further,

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Verbeke discloses, further comprising: analyzing the source code on the sharing node to identify a set of code patterns, and assigning the at least one predetermined category to the source code based on the identified set of code patterns; (Col 15:0180-0181, "...that share a common set of interests...and access any computer content(code, data, applications,...") storing code pattern information that is based on the analysis and assignment in a directory; (Col 17:0189, "...directory, storage systems...") and selectively indexing the source code, prior to analyzing the working code. (Col 17:0188-1089, "...indexing, directory...")

With respect to claims 33 and 37, the rejection of claims 32 and 36 are incorporated respectively and further, Verbeke discloses further comprising a category selector for receiving a response to the query from the directory, (Col 52:0642-0645, "...query handler...")wherein the response includes the at least one predetermined category assigned to the source code, and for selecting the at least one predetermined category assigned to the source code. (Col 17:0188-1089, "...indexing, directory...")

Allowable Subject Matter

7. Claims 27,34, and 38 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark P. Francis whose telephone number is (571) 272-7956. The examiner can normally be reached on Mon-Fri 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


KAKALI CHAKI
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Mark P. Francis

Patent Examiner

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